Dr. Dennis N. Bingham

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An accomplished researcher in liquid natural gas technologies

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Licensing information

For information on licensing INEEL technologies such as those developed by Dr. Bingham, contact Technology Outreach Account Executive:

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Education: Dr. Dennis N. Bingham received his B.S. in mechanical engineering from Brigham Young University in 1973, his M.E. in mechanical engineering from BYU in 1973, and his Ph.D. in mechanical engineering from Clemson University in 1977.

Work experience: He is a consulting scientist/engineer at the Idaho National Engineering and Environmental Laboratory. He has been employed at the INEEL since 1989, with the exception of a two-year period in which he was Vice President of Research and Development for ZawTech International. Prior to coming to INEEL, Dr. Bingham worked in engineering management for Lockheed at the White Sands Missile Range. He has taught numerous engineering courses as assistant professor at Union College in New York, and Texas A&M University.

Professional endeavors: Dr. Bingham seeks to enhance and apply automation technologies such that the application of these technologies is cost-effective and justifiable, and to lead teams in technology design, integration and application for the betterment of the environment and mankind. As a registered professional engineer, he continually seeks knowledge and its application in all aspects of the engineering profession.

Patents:

U.S. Patent No. 6,619,273 -- Systems and Methods for Delivering Liquefied Gas to an Engine

U.S. Patent No. 6,591,145 -- Systems and Methods for Autonomously Controlling Agricultural Machinery

U.S. Patent No. 6,581,409 -- Apparatus for the Liquefaction of Natural Gas and Methods Related to Same

U.S. Patent No. 6,494,191 -- Systems and Method for Delivering Liquefied Gas to an Engine

U.S. Patent No. 6,425,263 -- Apparatus and Process for the Fefrigeration, Liquefaction and Separation of Gases with Varying Levels of Purity

U.S. Patent No. 6,375,422 -- Apparatus for Pumping Liquids at or Below the Boiling Point

U.S. Patent No. 6,305,265 -- Method and Apparatus for Pressurizing Vaporous Fluids

U.S. Patent No. 6,183,348 -- Methods and Apparatuses for Cutting, Abrading, and Drilling

U.S. Patent No. 6,125,637 -- Systems for Delivering Liquefied Natural Gas to an Engine

U.S. Patent No. 6,105,390 -- Apparatus and Process for the Refrigeration, Liquefaction and Separation of Gases with Varying Levels of Purity

U.S. Patent No. 5,733,174 -- Method and Apparatus for Cutting, Abrading, and Drilling with Sublimable Particles and Vaporous Liquids

U.S. Patent No. 5,493,308 -- Close Range Fault Tolerant Noncontacting Position Sensor

U.S. Patent No. 5,456,629 -- Method and Apparatus for Cutting and Abrading with Sublimable Particles